	Physics by Gianco	l1		SP212 Course Outline*		Spring 20
LESSON	SCHEDULE	TEX	T	TOPIC	LAB	MATH
NUMBER		СН	SEC			<b>REVIEW*</b>
1	Week 1			Admin., Introduction	Week 1: Intro to	
2	(7-11 Jan.)	21	1-4	History, Charges, Insulators, Conductors	to Electrical	
3	(, 11 (411)		5	Coulomb's law	Measurements	
4	Week 2		6-8	The Electric Field	TTCUSUI CITICITUS	
5	(14-18 Jan.)			Motion of Electric Charges, Electric Dipoles	Week 2: Open	
6	(14-10 3411.)	22	1	Electric Flux	week 2. Open	
U	Week 3	22	1		Week 3:	
7			2.2	M. L. King Birthday		12 ( 12 0
7	(21-25 Jan.)	22		Gauss's Law	Equipotentials	13.6, 13.8
8	*** 1 4	23	_ / /	Electric Potential and Electric Fields	TT7 1 4	
9	Week 4			Electric Potential Calcuations	Week 4:	
10	(28 Jan1 Feb.)			Electrostatic Potential Energy	DC Circuits	
11				Michelson Room 117		
12	Week 5	24		Capacitance, Combinations of Capacitors	Week 5:	
13	(4-8 Feb.)		4-5	Electric Energy Storage, Dielectrics	Kirchhoff's Rules	
14		25		Ohm's Law, Resistivity		
15	Week 6			Electric Power and Practical Electricity	Week 6:	
16	(11-15 Feb.)	26		Equivalent Resistance	RC Circuits	
17	( 2 22.)		3	Kirchhoff's Rules		7.2
	Week 7			Presidents' Day	Week 7: Open	Web notes
	(18-22 Feb.)			Six Week Grades Due	Week 7. Open	TY CO HOLOS
18	(10-22 1 00.)			Time reserved for exam. Actual date TBA.		
19			4	RC Circuits		7.2
20	Week 8	27			Week 8:	
		27		Magnetic Fields and the Force on a Current		Web notes
21	(25 Feb1 Mar.)	20	4-5	Force on a Moving Charge, Torque	Magnetic Force	
22	4 0	28	1-2	Magnetic Field of and Force on Straight Wires		
23	Week 9			Ampere's Law	Week 9: Force	
24	(4-8 Mar.)	29	1-2	Faraday's Law	on Current	
25			demo	Michelson Room 117	Carrying Wires	
				Spring Break		
26	Week 10		3-4	Generators	Week 10:	
27	(18-22 Mar.)		6-7	Power Transmission, Electric Fields	Faraday's Law	
28	,	30	2-3	Self-Inductance, Energy Storage	and Inductance	
29	Week 11		4-5	LR and LC Circuits		7.2
30	(25-29 Mar.)	32	1-3	Maxwell's Equations	Week 11: Open	Web notes
31	(23-27 Iviai.)	32	1-3	Time reserved for exam. Actual date TBA	week 11. Open	W CO HOUS
32	Week 12		4-6	Production of EM Waves	Week 12:	
33		33			Thin Lenses	
	(1-5 Apr.)	33	1-3	Index of Refraction, Reflection	1 IIIII Lenses	
34	W1 12		4	Images formed by Spherical Mirrors	W1-12. O	
35	Week 13		5-7	Snell's Law, Total Internal Reflection	Week 13: Open	
2.5	(0.10 : :			Twelve Week Grades Due		
36	(8-12 Apr.)	34	1-3	Thin Lenses		
37			4-5	Lens Combinations, Lensmaker's Equation		
38	Week 14	35	1-3	Diffraction, Double-Slit Interference	Week 14:	
40	(15-19 Apr.)		6-7	Thin Films, Michelson Interferometer	Diffraction Grating	
39	, ,		demo	Michelson Room 117		
41	Week 15	36		Single Slit Interference	Week 15: Open	
42	(22-26 Apr.)		7	Diffraction Grating	con ic. open	
43	(22 20 ripi.)		11	Polarization		
Week 16(29 Apr3 May)				Review and Final Exams Begin		
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